

### Listing of Claims

1-46. (Cancelled)

47. (Currently amended) A kit for use in a method of detecting targeted biomolecules in a biological sample, which method comprises providing a plurality of membranes in a stacked configuration, and applying the biological sample to the stacked membranes under conditions that transfer the targeted biomolecules to the plurality of membranes whereby one or more of the targeted biomolecules are captured and identified on one or more of the membranes after the membranes are separated, wherein the kit comprises:

a stack of separable membranes, each membrane having sufficient structural integrity to permit separation separable from one another for further processing after the capturing step is completed, each membrane ~~comprises~~ comprising a substantially identical biomolecule-permeable, polymeric substrate having a thickness of less than about 30 microns and a pore size of between about 0.1 to 5.0 microns, which permits transfer of the targeted biomolecules therethrough; ~~one or more of said substrates being treated with~~, each membrane further including a captor molecule capable of for capturing ~~[[a]] said targeted molecule~~ biomolecule; and

~~contains a container comprising detectors a detector which are applied to said membranes after the targeted biomolecules are captured~~ for identifying a biomolecule captured on a separated membrane.

48. (Currently Amended) The kit of claim 47, wherein said detector comprises antibodies.

49. (Currently Amended) ~~the~~ The kit of claim 47, wherein said detector comprises probes.

50. (Currently Amended) The kit of claim 47, wherein said detector comprises a cocktail of antibodies.

51. (Previously Presented) The kit of claim 47, wherein said substrate comprises polycarbonate.

52. (Previously Presented) The kit of claim 47, wherein said stack comprises 5-10 membranes.

53. (New) The kit of claim 51, wherein the stack comprises at least 5 membranes.